

STN (Registry/Caplus)

10/783,304

11/17/2006

Connecting via Winsock to STN

Formula (II)

Welcome to STN International! Enter x:x

LOGINID:SSPTAJMN1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/Caplus(SM) Austrian patent law changes
NEWS 6 SEP 11 CA/Caplus enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/Caplus fields enhanced with simultaneous left and right
truncation
NEWS 8 SEP 25 CA(SM)/Caplus(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new
classification scheme
NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes
NEWS 13 OCT 19 E-mail format enhanced
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN
has been enhanced and reloaded
NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field
NEWS 18 NOV 03 JAPIO enhanced with IPC 8 features and functionality
NEWS 19 NOV 10 CA/Caplus F-Term thesaurus enhanced
NEWS 20 NOV 10 STN Express with Discover! free maintenance release Version
8.01c now available
NEWS 21 NOV 13 CA/Caplus pre-1967 chemical substance index entries enhanced
with preparation role

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
specific topic.

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agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:52:57 ON 17 NOV 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:53:02 ON 17 NOV 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 NOV 2006 HIGHEST RN 913474-36-9

DICTIONARY FILE UPDATES: 16 NOV 2006 HIGHEST RN 913474-36-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

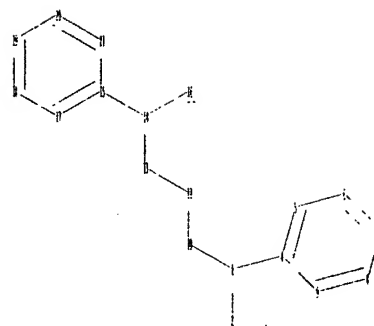
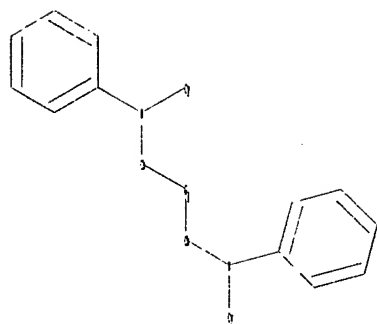
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7.str



chain nodes :

1 2 10 11 13 14 16

ring nodes :

4 5 6 7 8 9 15 17 18 19 20 21

chain bonds :

1-2 1-4 1-10 10-11 11-13 13-14 14-15 14-16

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 15-17 15-21 17-18 18-19 19-20 20-21

exact/norm bonds :

1-2 1-4 10-11 11-13 14-15 14-16

exact bonds :

1-10 13-14

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 15-17 15-21 17-18 18-19 19-20 20-21

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 10:2 E exact RC ring/chain 13:2 E exact RC ring/chain

16:2 M minimum RC ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS

13:Atom 14:CLASS 15:Atom 16:Any 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
Generic attributes :

2: Saturation : Unsaturated

13: Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

16: Saturation : Unsaturated

Element Count :
Node 10: Limited
C,C6

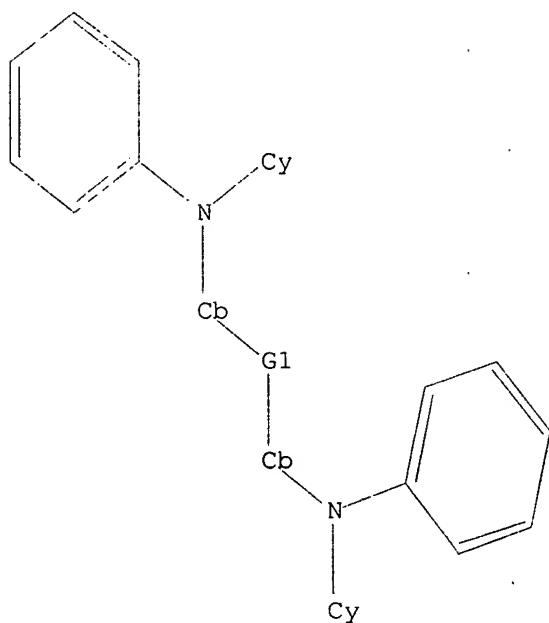
Node 13: Limited
C,C6

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 10:53:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2398266 TO ITERATE

41.7% PROCESSED 1000000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.14

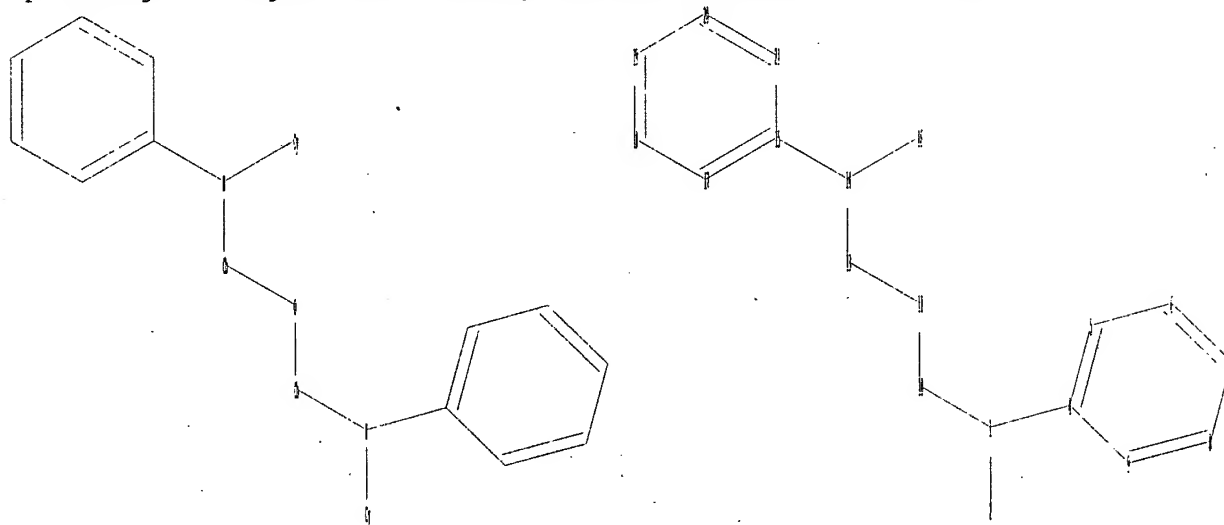
26 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 2398266 TO 2398266
PROJECTED ANSWERS: 39 TO 85

L2 26 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7 E = O.str



chain nodes :

1 2 10 11 13 14 16

ring nodes :

4 5 6 7 8 9 15 17 18 19 20 21

chain bonds :

1-2 1-4 1-10 10-11 11-13 13-14 14-15 14-16

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 15-17 15-21 17-18 18-19 19-20 20-21

exact/norm bonds :

1-2 1-4 14-15 14-16

exact bonds :

1-10 10-11 11-13 13-14

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 15-17 15-21 17-18 18-19 19-20 20-21

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 10:2 E exact RC ring/chain 13:2 E exact RC ring/chain

16:2 M minimum RC ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
13:Atom 14:CLASS 15:Atom 16:Any 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
Generic attributes :

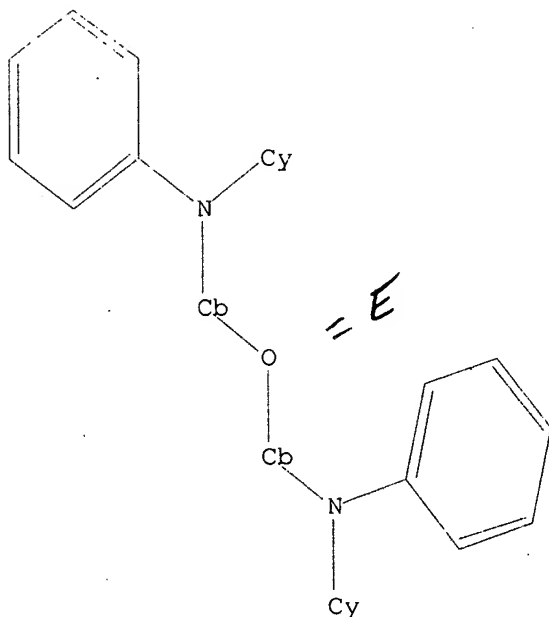
2:
Saturation : Unsaturated
13:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic
16:
Saturation : Unsaturated

Element Count :
Node 10: Limited
C,C6

Node 13: Limited
C,C6

L3 STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s 13 full

FULL SEARCH INITIATED 10:54:23 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2533806 TO ITERATE

39.5% PROCESSED 1000000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.13

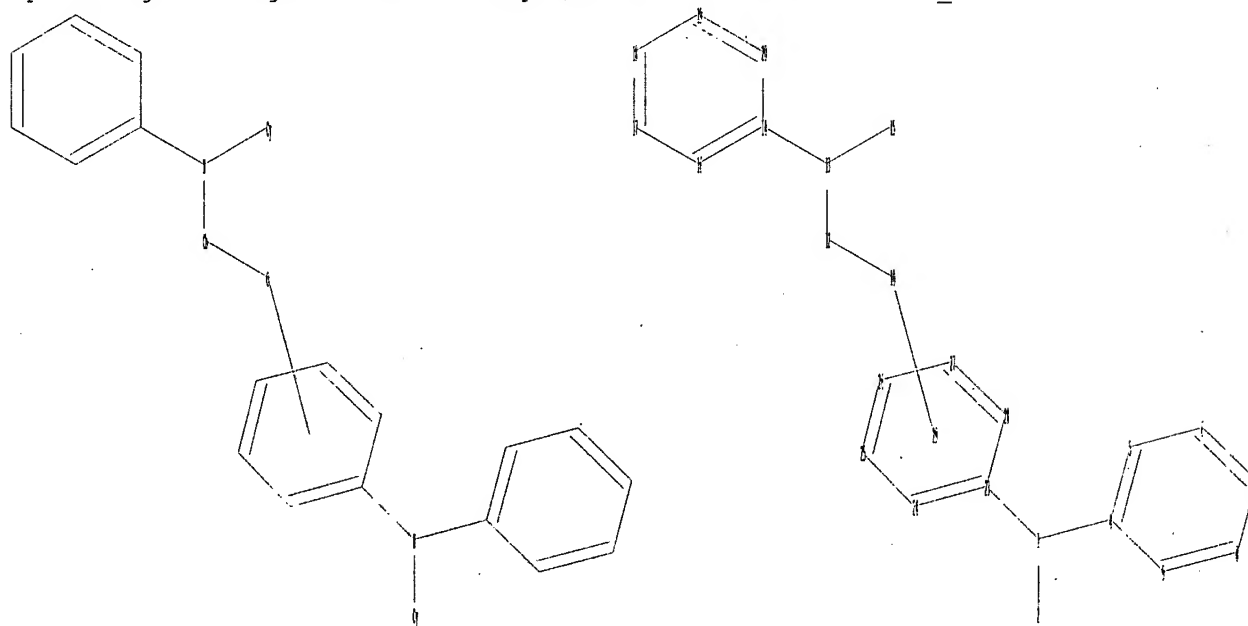
20 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 2533806 TO 2533806
PROJECTED ANSWERS: 29 TO 71

L4 20 SEA SSS FUL L3

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7 E = O_2.str



chain nodes :

1 2 10 12 13 15

ring nodes :

4 5 6 7 8 9 14 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

1-2 1-4 1-23 10-12 12-13 13-14 13-15

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-4 1-23 13-14 13-15

exact bonds :

10-12 12-13

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 12:2 E exact RC ring/chain 15:2 M minimum RC
ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 12:Atom
13:CLASS 14:Atom 15:Any 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 23:CLASS
24:CLASS 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom

Generic attributes :

2:

Saturation : Unsaturated

12:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

15:

Saturation : Unsaturated

Element Count :

Node 12: Limited

C,C6

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 15 full

FULL SEARCH INITIATED 10:56:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 169261 TO ITERATE

100.0% PROCESSED 169261 ITERATIONS

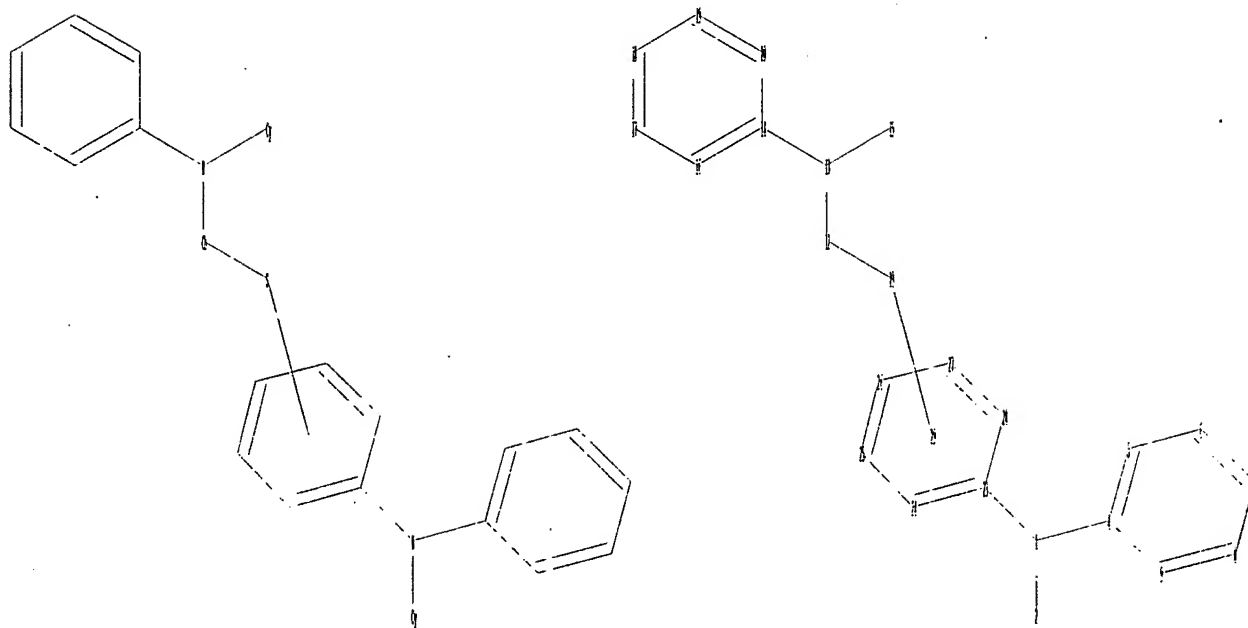
112 ANSWERS

SEARCH TIME: 00.00.02

L6 112 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7 E = S_2.str



chain nodes :

1 2 10 12 13 15

ring nodes :

4 5 6 7 8 9 14 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

1-2 1-4 1-23 10-12 12-13 13-14 13-15

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-4 1-23 13-14 13-15

exact bonds :

10-12 12-13

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 12:2 E exact RC ring/chain 15:2 M minimum RC
ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 12:Atom
13:CLASS 14:Atom 15:Any 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 23:CLASS
24:CLASS 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom

Generic attributes :

2:

Saturation : Unsaturated

12:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic
15:
Saturation : Unsaturated

Element Count :
Node 12: Limited
C,C6

L7 STRUCTURE UPLOADED

=> d

L7 HAS NO ANSWERS

L7 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l7 full

FULL SEARCH INITIATED 10:57:37 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 169261 TO ITERATE

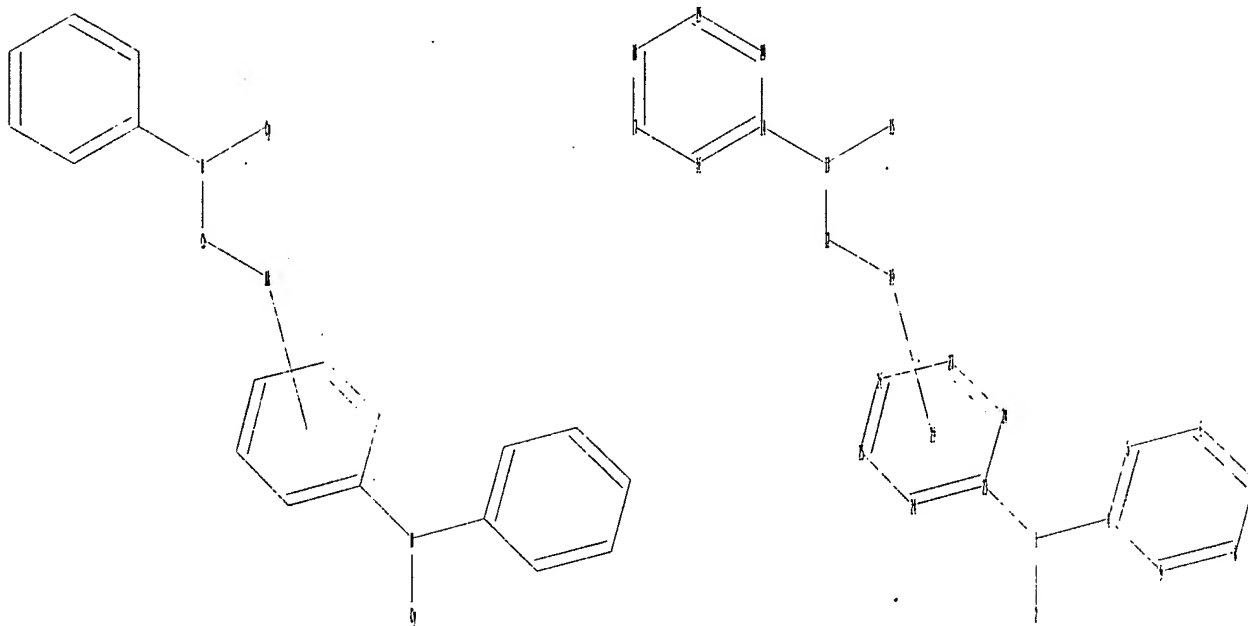
100.0% PROCESSED 169261 ITERATIONS
SEARCH TIME: 00.00.02

78 ANSWERS

L8 78 SEA SSS FUL L7

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7 E = AK_2.str



chain nodes :

1 2 10 12 13 15

ring nodes :

4 5 6 7 8 9 14 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

1-2 1-4 1-23 10-12 12-13 13-14 13-15

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-4 1-23 10-12 13-14 13-15

exact bonds :

12-13

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 12:2 E exact RC ring/chain 15:2 M minimum RC
ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 12:Atom
13:CLASS 14:Atom 15:Any 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 23:CLASS
24:CLASS 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom

Generic attributes :

2:

Saturation : Unsaturated

12:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic
15:
Saturation : Unsaturated

Element Count :
Node 12: Limited
C,C6

L9 STRUCTURE UPLOADED

=> d

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 19 full

FULL SEARCH INITIATED 10:58:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 169261 TO ITERATE

100.0% PROCESSED 169261 ITERATIONS

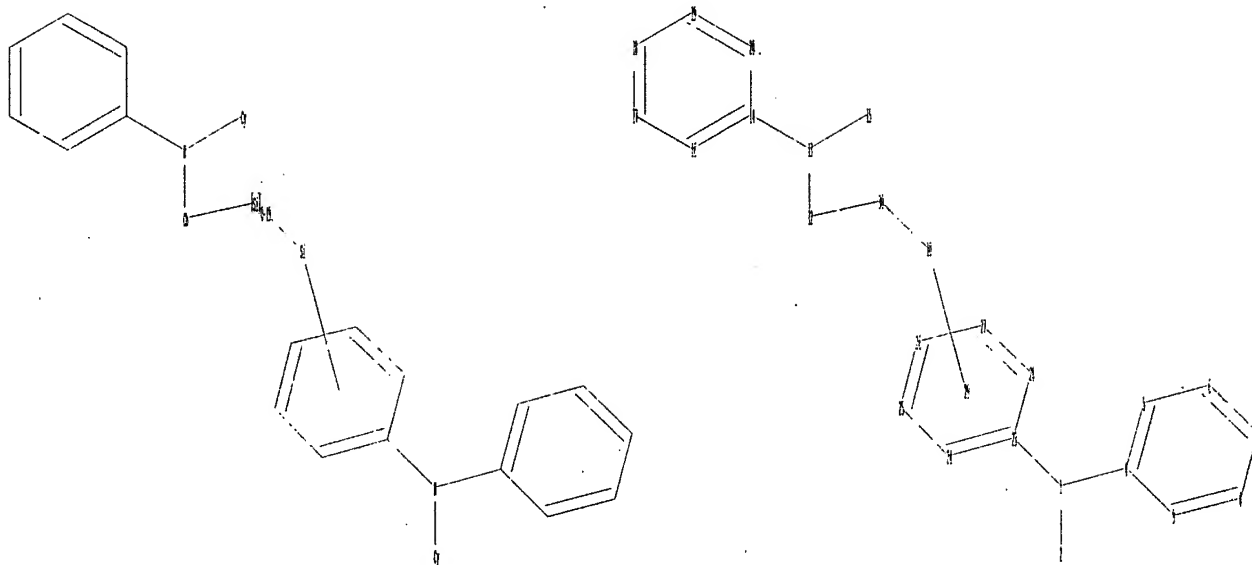
822 ANSWERS

SEARCH TIME: 00.00.02

L10 822 SEA SSS FUL L9

=>

Uploading C:\Program Files\Stnexp\Queries\10783304\7 E = Si_2.str



chain nodes :

1 2 10 12 13 15 30

ring nodes :

4 5 6 7 8 9 14 16 17 18 19 20 23 24 25 26 27 28

chain bonds :

1-2 1-4 1-23 10-30 12-13 12-30 13-14 13-15

ring bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

exact/norm bonds :

1-2 1-4 1-23 13-14 13-15

exact bonds :

10-30 12-13 12-30

normalized bonds :

4-5 4-9 5-6 6-7 7-8 8-9 14-16 14-20 16-17 17-18 18-19 19-20 23-24 23-28
24-25 25-26 26-27 27-28

G1:O,S

Connectivity :

2:2 M minimum RC ring/chain 12:2 E exact RC ring/chain 15:2 M minimum RC
ring/chain

Match level :

1:CLASS 2:Any 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 12:Atom
13:CLASS 14:Atom 15:Any 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 23:CLASS
24:CLASS 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS

Generic attributes :

2:

Saturation : Unsaturated

12:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System : Monocyclic
15:
Saturation : Unsaturated

Element Count :
Node 12: Limited
C,C6

L11 STRUCTURE UPLOADED

=> d

L11 HAS NO ANSWERS
L11 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l11 full

FULL SEARCH INITIATED 10:59:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1408 TO ITERATE

100.0% PROCESSED 1408 ITERATIONS 41 ANSWERS
SEARCH TIME: 00.00.01

L12 41 SEA SSS FUL L11

=> d his

(FILE 'HOME' ENTERED AT 10:52:57 ON 17 NOV 2006)

FILE 'REGISTRY' ENTERED AT 10:53:02 ON 17 NOV 2006

L1 STRUCTURE UPLOADED
L2 26 S L1 FULL
L3 STRUCTURE UPLOADED
L4 20 S L3 FULL
L5 STRUCTURE UPLOADED
L6 112 S L5 FULL
L7 STRUCTURE UPLOADED
L8 78 S L7 FULL
L9 STRUCTURE UPLOADED
L10 822 S L9 FULL
L11 STRUCTURE UPLOADED
L12 41 S L11 FULL

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1004.28	1004.49

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:00:27 ON 17 NOV 2006

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FILE COVERS 1907 - 17 Nov 2006 VOL 145 ISS 22
FILE LAST UPDATED: 16 Nov 2006 (20061116/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 12
L13 1427846 12

=> s 112
L14 20 L12

=> s 110
L15 366 L10

=> s 18
L16 52 L8

=> s 16
L17 93 L6

=> s 114 or 115 or 116 or 117
L18 430 L14 OR L15 OR L16 OR L17

=> d his

(FILE 'HOME' ENTERED AT 10:52:57 ON 17 NOV 2006)

FILE 'REGISTRY' ENTERED AT 10:53:02 ON 17 NOV 2006

L1	STRUCTURE UPLOADED
L2	26 S L1 FULL
L3	STRUCTURE UPLOADED
L4	20 S L3 FULL
L5	STRUCTURE UPLOADED
L6	112 S L5 FULL
L7	STRUCTURE UPLOADED
L8	78 S L7 FULL
L9	STRUCTURE UPLOADED
L10	822 S L9 FULL
L11	STRUCTURE UPLOADED
L12	41 S L11 FULL

FILE 'CAPLUS' ENTERED AT 11:00:27 ON 17 NOV 2006

L13 1427846 S 12
L14 20 S L12
L15 366 S L10
L16 52 S L8
L17 93 S L6
L18 430 S L14 OR L15 OR L16 OR L17

=> d ibib abs hitstr 1-430